WIPP Quarterly Review January 16, 2003



Activities Update for NMED's RCRA Permits Program

1. Ongoing Permitting Process

- Class 1 modifications
 - Received request from Permittees on December 31, 2002 to change the corporate name of the co-Permittee to Washington TRU Solutions LLC
- Drum Age Criteria (DAC) Class 3 modification request
 - Public hearing held in Santa Fe August 26-28, 2002
 - Hearing officer's (**HO**) recommendation was expected in November, but was granted an extension to December 19, 2002 when it was issued
 - HO's report recommended Secretary adopt Hazardous Waste Bureau's (**HWB**) findings of fact and conclusions of law as his own
 - Secretary's order issued December 31, 2002 approving HO's recommendation
 - HWB ordered to issue revised permit by January 30, 2003
- Remote-Handled TRU Waste Class 3 modification request
 - Public comment period ended on October 31, 2002
 - Received 78 pages of comments from 18 commentors
 - NMED developing Notice of Deficiency (NOD) comments for issuance in February
- Seven general modifications received on June 28, 2002
 - Public comment period ended on October 3, 2002 for all mods
 - Received 149 pages of comments from 40 commentors
 - Approved the six Class 2 modifications on November 25, 2002
 - Response to comments issued December 5, 2002
 - Class 3 modification (Electronic Data Management) will be subject to NOD issued at a later date
- Closure Plan Amendment (Design Change) Class 3 modification request
 - NMED determined the modification request to be a Class 3 on October 11, 2002
 - Public meetings held in Carlsbad (November 12) and Santa Fe (November 14)
 - Public comment period ended December 16, 2002
 - Received 18 pages of comments from 4 commentors
 - NMED will coordinate with EPA ORIA on review of panel closure design

Extension of time to close Panel 1 Class 1* modification request

- Met with interested parties on November 15, 2002 to discuss issues before submittal
- Permittees proposed to construct 12-foot explosion isolation wall, delay completing final panel closure until Class 3 design change is approved
- Received modification request from Permittees on November 25, 2002
- Received initial engineering analysis of 12-foot wall on December 18; received revised engineering analysis on December 20, 2002
- Approved modification with changes on December 26, 2002
- In separate matter, EPA concurred with panel closure schedule change on December 26, 2002



- WIPP No Further Action (NFA) Petition for SWMUs
 - Received NFA petition October 9, 2002
 - Currently under review
 - NFA petition will support a future Class 3 modification to remove SWMUs from permit

Notice of Intent (NOI)

- Received by NMED Groundwater Bureau and HWB October 31, 2002
- NOI describes shallow subsurface water at WIPP, proposed activities to control infiltration of water and investigate the lens of shallow subsurface water
- Groundwater Bureau has lead responsibility

Other reports received

- Confirmatory VOC and Mine Ventilation Rate Monitoring Report, October 29, 2002
- WIPP Geotechnical Analysis Report, October 29, 2002
- Biennial Environmental Compliance Report, October 29, 2002
- Revised Facility Work Plan for SWMUs, November 21, 2002
- Annual Waste Minimization Statement, December 2, 2002
- Some reports currently under review
- Central Confirmation Facility Class 3 Modification
 - NOD issued June 19, 2002
 - Permittees requested extension until January 15, 2003 to respond
 - NMED granted extension in July 22, 2002 letter
 - No response to NOD received by deadline

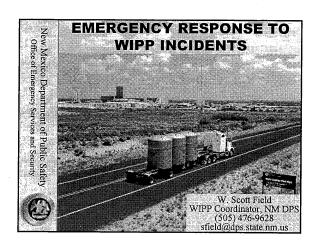
2. RCRA-related Audits

- RFETS Recertification, February 4-8, 2002
 - Received initial audit report April 22, 2002
 - Received revised final audit report May 10, 2002
 - Issued approval letter December 17, 2002
- Hanford Recertification, June 24-28, 2002
 - Received final audit report August 29, 2002
 - Currently under review
- INEEL Recertification, August 5-9, 2002
 - Received final audit report September 25, 2002
 - Currently under review
- LANL Recertification, August 26-30, 2002
 - Received initial audit report October 10, 2002
 - Received revised final audit report December 26, 2002
 - Currently under review
- ANL-E/CCP audit, September 9-13, 2002
 - No audit report expected until after CAR verification and solids audit in February

- NTS/CCP audit, September 23-27, 2002
 - Received initial audit report November 25, 2002
 - Received revised final audit report December 23, 2002
 - Currently under review
- RFETS new VE, PCB, tank sludge sampling, October 1-4, 2002
 - Received final audit report November 4, 2002
 - Currently under review
- SRS Recertification, October 22-25, 2002
 - Received final audit report December 17, 2002
 - Currently under review
- LANL new HSG, October 29-31, 2002
 - Received final audit report December 26, 2002
 - Currently under review
- Upcoming audits
 - INEEL 3100 Project closeout surveillance, January 28-31, 2003
 - ANL-E/CCP Solids and CAR verification, February 10-14, 2003
 - RFETS Recertification, March 3-7, 2003
 - Advanced Mixed Waste Treatment Facility (AMWTF), May 19-23, 2003
 - Hanford Recertification, June 16-20, 2003
 - INEEL Labs and sampling processes, July 21-25, 2003
 - LANL Recertification, August 25-29, 2003
 - NTS/CCP Recertification, September 22-26, 2003
 - SRS Recertification, October 20-24, 2003

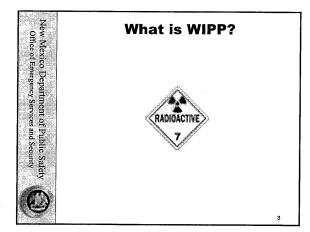
3. Other activities

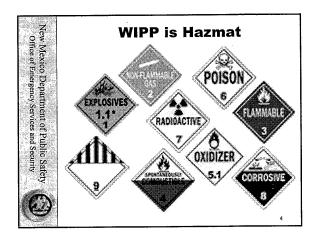
- NMED clearance status
 - Steve Zappe received "Q" clearance October 29, 2002
 - Steve Holmes has been approved for "Q" clearance
- NMED staffing and budget
 - Phillis Stevens passed the PE exam
 - Will Fetner resigned, last day was November 27, 2002
 - Currently have four vacant positions
 - Budget snafus with LFC and DFA have prevented filling vacancies, in-state or out of state travel, and contractor assistance for past two months; hope to be resolved this month
- NAS WIPP Committee
 - Formed to review WIPP program for characterization and transportation of CH TRU waste
 - Committee will also address programmatic, policy, and societal impacts of changes in requirements
 - Initial meeting held October 28-29, 2002 in Carlsbad, NMED briefed the committee
 - Follow-up meeting to be held in Santa Fe January 27-28, 2003, NMED will attend



EMERGENCY RESPONSE TO WIPP INCIDENTS

- Preparedness
 - Planning
 - Equipment
 - Training
 - Exercises
- Response





OSHA Hazardous Materials Handling Levels

- $\begin{array}{l} \bullet \text{ Awareness} \\ \bullet \text{ Operations} \end{array} > \text{``First Responder''}$
- Technician
- Specialist
- Incident Command

29 CFR 1910.120(q)(6)

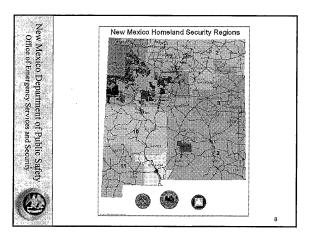
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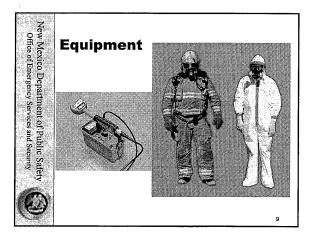
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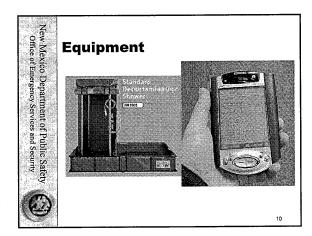
HMER Plan

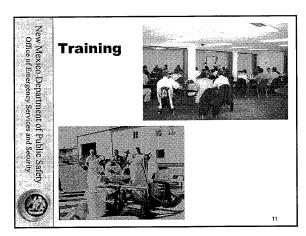
- Responsibilities
 - Local
 - State
 - Federal
 - Industry
- Preparedness Hazardous Materials Safety Board
- Written Plans
- MOUs
- Training
- Response
- Recovery
 - Cleanup is responsibility of shipper/carrier
 NMED oversight







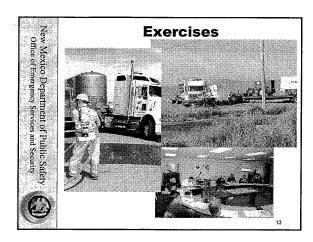




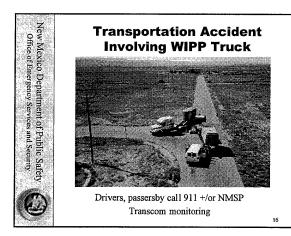
Training Courses

- WIPP Safe Transportation Orientation
 Hazardous Materials Awareness
 Hazardous Materials Operations
 Hazmat Overview for Police Radio Dispatchers
 Radiological Familiarization/Refresher Training
 Emergency Response to Radioactive Transportation Accidents
 (MERRTT)
 Exercise Design

- (MERRTT)
 Exercise Design
 Emergency Medical Service Operations for Hazardous Materials
 Hospital Response to Hazardous Materials
 Radiation Management Consultants (RMC) On-Site Hospital Training
 Incident Command System Overview for Public Officials
 Basic Incident Command System (ICS 100/200)
 Advanced Incident Command System (ICS 300)
 Critical Incident Management Course
 Computer-Aided Management of Emergency Operations (CAMEO)



Incident Response

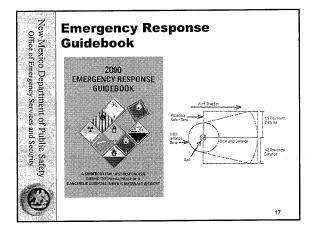


Initial Response

- First Responder
 (Awareness Level)
- Safety: upwind, upslope
- Isolate Scene
- Notification



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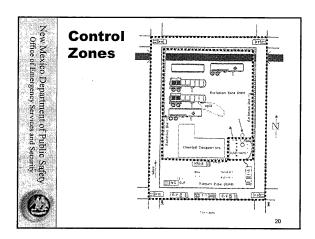
New Mexico Department of Public Safety Office of Emergency Services and Security

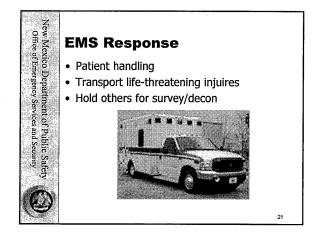
Local Response

- Local Volunteer Fire Dept.
 - Awareness/Operations Level
- Incident Command
 - Transfer to NMSP
- Control Zones

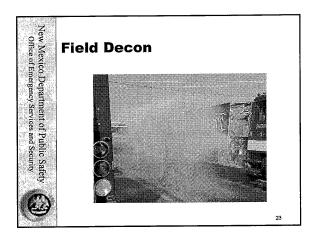


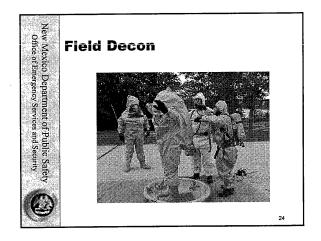






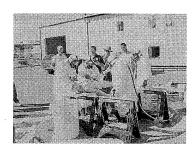








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New Mexico Department of Public Safety
Office of Emergency Services and Society

Regional Response

- Hazmat Team (Technician Level)
- Radiological Survey
- Offensive measures





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New Mexico Department of Public Safety
Office of Emergency Services and Security

State/Federal Assets

- Additional Hazmat Personnel
- NM Radiation Control Bureau
- 64th Civil Support Team
- DOE Radiological Assistance Program
 - Carlsbad, Sandia, Los Alamos
- Federal Radiological Monitoring and Assessment Center (FRMAC)
- CHEMTREC / CHEM-TEL



Recovery

- MTD Inspection
- Clean-up of site
- · Handling of waste





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New Mexico Department of Public Safety
Office of Emergency Services and Security

Questions

?

W. Scott Field WIPP Transportation Safe ty Program (505) 476-9628 (505) 476-9635 – 24 hour sfield@dps.state.nm.us

Durterly Mto Jan 16, 2003

Koper Nelson Same presentation as to Stare Preside CBFO Now dug 13-14 shipments lut Projected 3/14 as date to fill Panel 1. No expectation of RH in Parel 2, as it will be tilled sofare end of '04. Review fleet size. Thipping goals were appeared by EM-1 in Oct, 6501005 changes for NTS, AND, INTER, this sites now appear to be knowed. SQ Sites will no longer "oun" wiste, he hanstened to hub site for characterization Rail capability - with 1550e Regrest for Info to see it rail is Leasable TP-III - intend to be Stuple contained, weart to poxes (5x5x8), God is to cherceteure & ship withat repackaging. Could be in use by 2004 (optimishi) Undergrand exp - LANE Dak meter, enriched & enon, Ominisite. Modern Pit Facility Prests at in April for comment, final in a year Atandat a Question tun Devita about response EEG Matthew Silva times to EEG requests of DOE. Task Force Gra dat Anne Clark - Send of CVSA report to members from Oct Joanna Prikop, EMNRD See + Chair of Taskface No meeting schedled, will be offer Legis. Session, rust UPPTRAX May 16 in McKinley Canty, Dec 17 event of radioactivity o Wagus Mand Kendfill Waste going from LANC to ANLW for solds coring will tollow normal take

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*** FINAL AGENDA ***

81st WIPP QUARTERLY REVIEW MEETING

January 16, 2003

New Mexico Environment Department, Host Energy, Minerals, & Natural Resources Office Office of the Secretary Conference Room, 3rd Floor Piñon Building, 1220 St. Francis Drive Santa Fe, NM

r	T	T	
9:30 AM	Welcome, Introductions	10 min.	Steve Zappe, NMED
9:40 AM	DOE Carlsbad Field Office Update	20 min.	Roger Nelson, CBFO
10:00 AM	Environmental Evaluation Group Update	20 min.	Matthew Silva, EEG
10:20 AM	NM Radioactive Waste Task Force Update	20 min.	Anne Clark, NMEMNRD
10:40 AM	Break	10 min.	
10:50 AM	NMED RCRA Permit Update (permit mods, audits, compliance, etc.)	20 min	Steve Zappe, NMED/HWB
11:20 AM	NM Emergency Operations Center and responses to WIPP incidents	30 min	Scott Field, DPS
11:50 AM	Lunch	70 min	
1:00 PM	 Status of TRUPACT 157 from INEEL (including results of air samples taken from it while at WIPP) Estimate of incremental radiation dose by public receptors from transient WIPP shipments (e.g., at Romeroville Truck Stop) Next NAS WIPP Committee meeting date, location, and topics Status of RH application to EPA Status of permit modifications (including CCF) Status of Hanford tank waste - RH waste to WIPP, or not? Update on Pu 238 waste at LANL (extent of repackaging, status of "Quick to WIPP" project, etc.) Proposed actinide chemistry program activities (in support of compliance recertification application, etc.) Recent work on rail transport of TRU waste to WIPP 	80 min	Roger Nelson, CBFO
2:20 PM	Action Item Commitments/Closeout	10 min.	Steve Zappe, NMED
2:30 PM	Adjourn		

81st WIPP QUARTERLY REVIEW MEETING

January 16, 2003

New Mexico Environment Department, Host Energy, Minerals, & Natural Resources Office Office of the Secretary Conference Room, 3rd Floor Piñon Building, 1220 St. Francis Drive Santa Fe, NM 87505

Attendance Sheet

		1	
Name	Affiliatio	on Phone/E-Mail	
ANNE deLAIN W. CLAR	K EMNRD	476-3224/aclark@state.nm.us	
Told C. Wilson	NMSHTD	827-2406/toddwilson @ RMShtd. State.nm us.	
George Anastas	EEG	505/828-1003 /anastas Deeg.org	9
MATTHOW SILVA	EEG	505-828-1008 msilva@eeg.org	J
Judie Youngman	233	505-828-1003/jyoungman@eeg.or	19
Larry Allen	EEG	505-828-1003 lallone ecg. org	
DAVID MITTLE	N.M.A.G	505 827-7479 Juitto @ ago. Btale. nm. u	S
JIM CHANNELL	EEG	505 828-1003 ;channel/ @ eg, on	
JIM PIGG	DOE/CBFO	505-234-7478 jim.pigg wipp.ws	
EARL POTTER	POTTER MEUS P.	A. 505-988-8019 @POTTER@SWCP.COM	
Steve Coppe	NMED/HUB	505 428-2517 5 Leve_ Zappe @ nmenv. stale.	hm
Steve Holmas	NMED/HWB	505, 428, 2521 Steve holma ONNews. State. NAIL	
KEVIN KRAUSE	NMED/HWB	505-428-2519 Kevin-Krause amenu, state.	
PHILLIS STEVENS	NMED/HWB	505.428.2518 phillis_stovers "	
LORRAINE Hollingsworth	Dolana Domenici	PC 505-883-6250 hollingsa dolan-	nic i
Thomas Klein	EEG	505-885-9675/+Klein@ eeg.org	
SCOTT B WEBB	EEG	505.828.1003/ webbe eeg. erg	
Chuck Noble	NMED	505827-0127 / Chuck Noble nmenu. state.	nn
DERRITH WATCHMAN-MODE		505-827-0855 derrith wmoore onne	
JON ARENDS	CCNS	986-1973 javends anuelearactive.	246
Scott Field	NM DPS	476-9628/sfield@dps.state.nm.us	
Roger Nelson	CBFO	234-7213 / roger. nelson @ wipp. ws	
Deborah Reade	CARD/WIN	986-9284/ reade@nets.com	
Gang King	Alty WTRU	832-4461/1glgking @nm.net	
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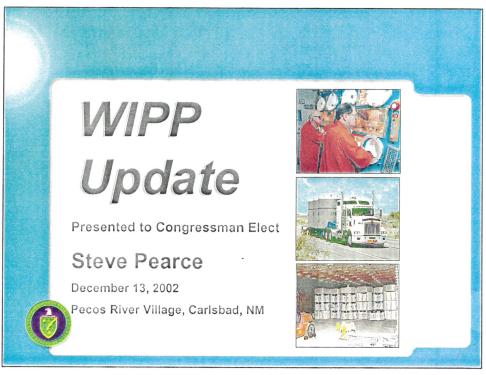
81st WIPP QUARTERLY REVIEW MEETING January 16, 2003

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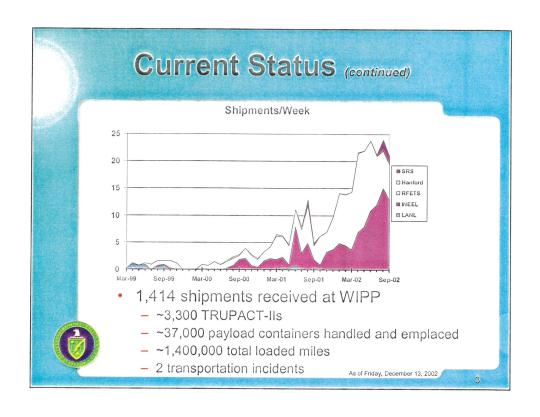
Attendance Sheet

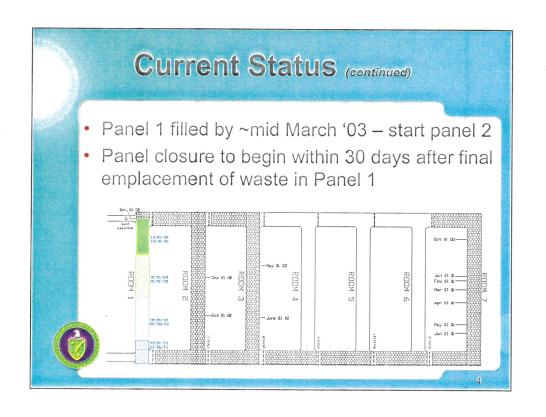
Name	Affiliatio	on Phone/E-Mail
ANNE DELAIN W. CLAR	KEMNRD	476-3224/aclark@state.nm.us
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George Anastas	EEE	505/828-1003 / anastas Decg.0 re
MATTHOW SILVA	EEG	505-828-1008 msilva @eeg. org
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Larry Allen	EEG	505-828-1003 allon @ eeg. ara
DAVID MITTLE	N.M.A.G	505 827-7479 Juille @ ago, stale. nm. u
SIM CHANNELL	EEG	505 828 -1003 jchannell @ 209,000
Jim Piag	DOE/CBFO	515.234-7478 jim.pigg wipp.ws
EARL POTTER	POTTER+ MILLS P.	A. 505-988-8019 @ POTHER @SWCP. COM
Steve Coppe	NMED/HUB	505 428-2517 5 teve_Zappe Onmenustale.
Steve Holmas	NMED/HWB	505.428.2521 steve_halma @NACUN. State. WAIL
KEVIN KRAUSE	NMED/HWB	505-428-2519 Kevin-Krause Gamenu, state.
PHILLIS STEVENS	NMED/HWB	505.428.2518 phillis_storeas "
LARRAINE Hollingsworth	Dolana Domenici	PC 505-883-6250 hallings & dolan-
Thomas Klein	£5.G	505-885-9675 /+ Kleine eeg.org
SCOTT B WEBB	EEG	505-885-9675/+Kleine eeg.org 505-828-1003/ webbeeg.org
Chuck Noble	NMED	505827-0127 / Chuck-Nose nmenu. state.
DERRITH WATCHMAN-MODEL	e mon	505-827-0855 derrith wmoore on me
JON ARENDS	CCNS	986-1973 javends e nuclearactive o
Scott Field	NM DPS	476-9628/sfield@dps.state.nm.us
Page Nelson Dalogyel. Reada	CBFO	234-7213 / roger. nelson @ wipp, ws
Deborah Reade	CARD/WIN	986-9284/ reade@nets.com
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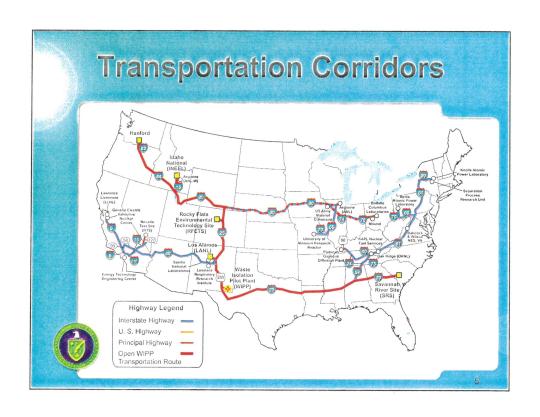
Resentation to WIPP Quarterly













FY03 Shipping Plans

Shipments

As of 10/18/02	ANL-E	HANE	INIEL	LANL	NTS	RFET	SRS	Total	Weekly	TP-II per week
		ELFUNE	-	- The party of the	NIO	- minore minor to the	SNO	-	A CONTROL OF THE PARTY OF THE P	
Oct-02			77	3		38	2	121	31	68
Nov-02	3		39	2		28	12	90	23	53
Dec-02	4			2		28	12	46	12	35
Jan-03	2			3		36	12	53	14	40
Feb-03	2			5	8	28	12	55	14	41
Mar-03		1	3	9	8	28	12	65	17	46
Apr-03		1	55	9	8	32	12	125	32	88
May-03		1	55	12	12	28	12	126	32	90
Jun-03		2	55	12	8	30	12	120	30	89
Jul-03		2	55	12		32	12	113	29	83
Aug-03		2	55	12		28	12	109	28	85
Sep-03	3	1	55	12		28	12	111	28	83
Totals	14	10	449	93	44	364	134	1134		



Shipping Goals Approved by EM-1

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Regulatory Status



- DOE is seeking re-certification from EPA
 - Required every 5-years from first waste receipt
 - Compliance Re-certification Application (CRA) 11/03
 - Anticipated EPA decision (6 months)
 - Public comment opportunity
- Not a "rulemaking" (no judicial review)
 - No significant changes



 Collectively analyzes all minor changes since certification



Regulatory Status (continued)





Six Class 2 Permit Modification Requests Approved by NMED in November will add greater efficiency

- -RTR on newly generated wastel
- Sampling homogeneous waste
- New hazardous waste code
- Classified waste
- -Ten drum over-pack and 80 & 100 gallon payload containers
- HalfPACT shipping container



• Related EPA "Change Notices": RH, Panel Closure and others also pending

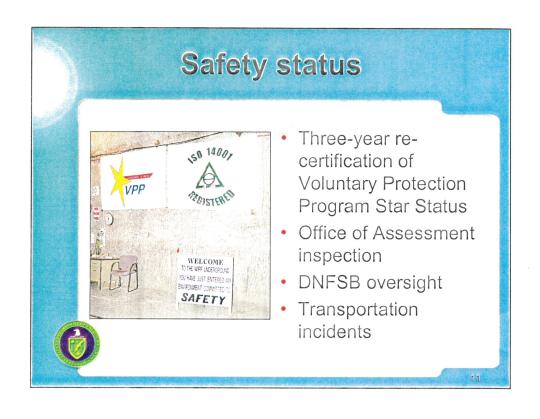
Remote-Handled Waste

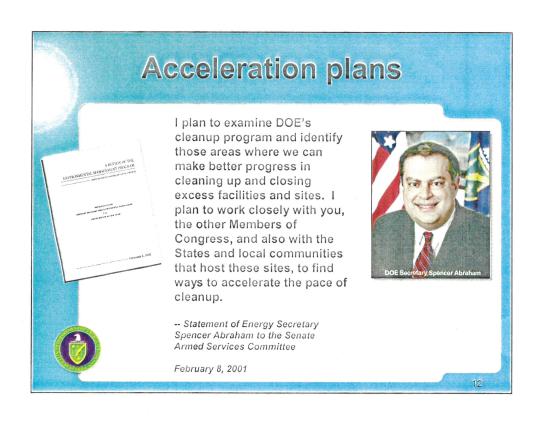


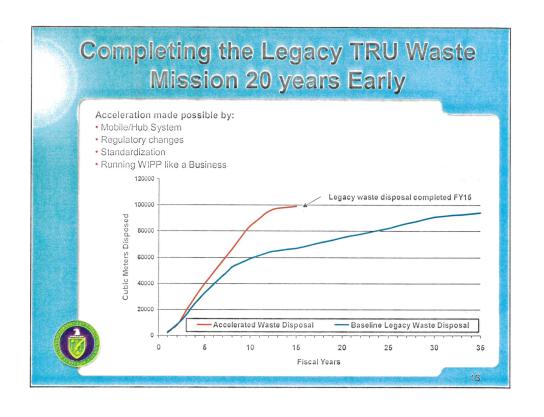
- Facility modifications completed
- Performance dry run successfully completed
- Class 3 Permit Modification considered by NMED

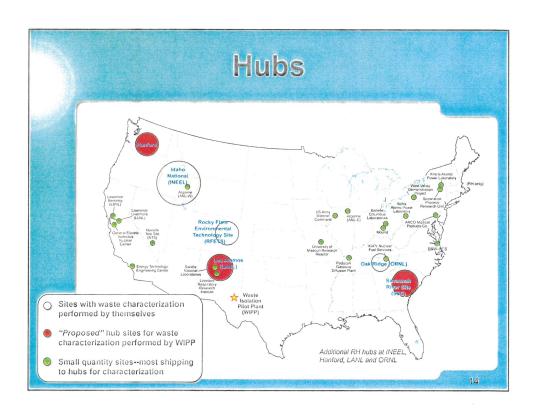


EPA considers the change to require rulemaking

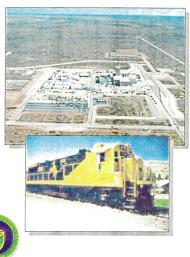








Rail Transportation Option



- Provide rail protocol covering appropriate areas of the PIG, (expected from WGA/SSEB)
- Upgrades at WIPP and generator sites to facilitate loading & handling
- Reengineer TRANSCOM transponder for rail service
- Design adapter for TRUPACT-III
- Cold readiness demonstrations for each rail corridor
- Begin routine rail operations with TRUPACT-III
- Optimize processes to include RH-72b, TRUPACT-II coverage

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TRUPACT-III

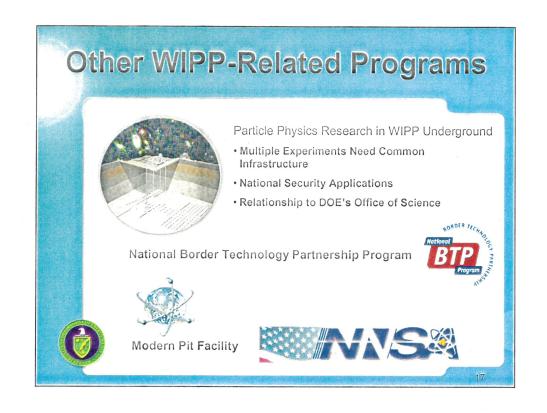
- Designed to accommodate boxes up to 5' x 5' x 8'
- Contract awarded to Packaging Technology Inc – September 2002
- TN-GEMINI proposed Type B packaging
- Single Containment (Half-scale testing with thermal analysis)

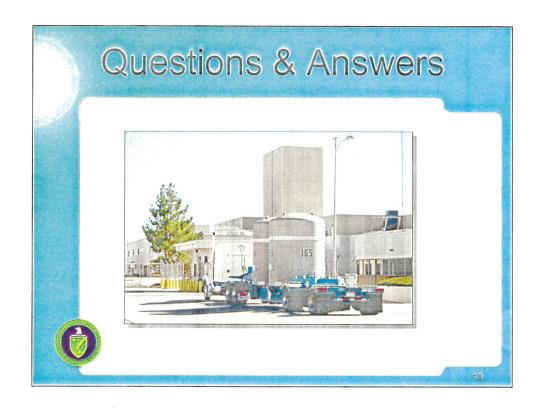












ENVIRONMENTAL EVALUATION GROUP

7007 Wyoming Blvd NE Ste F-2 Albuquerque, NM 87109 505-828-1003 (Fax) 505-828-1062

LXXXI QUARTERLY MEETING

U.S. Department of Energy
Environmental Evaluation Group
N.M. Energy, Minerals, and Natural Resources
N.M. Environment Department
N.M. Attorney General

Environmental Evaluation Grouphttp://www.eeg.org

January 16, 2003 Santa Fe

Reviews

- ☑ Provided comments on proposed Class 3 Permit Modification Request to allow the management, storage, and disposal of remote-handled transuranic waste at WIPP, 10/31/02
- ☑ Reviewed and provided comments on EPA's proposed changes to the criteria for the certification and recertification of the WIPP's compliance with the disposal regulations, 40 CFR §194.2, 12/9/02
- ☑ Reviewed and provided comments on Class 3 Permit Modification Request for the Closure Plan Amendment, 12/16/02
- ☑ Reviewed and provided comments on Class 1* Permit Modification Request for use of Block Wall Temporary Panel Closure, 1/9/03
- ☑ Provided answers to NAS WIPP Committee Questionnaire on Transuranic Waste Characterization, 1/13/03
- ☑ Reviewing the December 2002 Notification to EPA requesting authorization to receive and dispose of RH TRU waste at the WIPP
- ☑ Reviewing CBFO's response to EEG's concerns about the sludge/liquid waste issue uncovered at the INEEL Audit conducted 8/5-9/02

Audits

- ☑ Oct 21-25: Audit A-03-01, recertification Savannah River Site (S. Webb)
- ☑ Oct 29-30: LANL manual headspace gas sampling for INEEL, Audit A-03-01 (J. Youngman)
- ✓ Nov 4-7: CBFO audit of NWMP QA (SNL) (L. Allen)
- ☑ Nov 12-15: CBFO audit (A-03-06) of WTS (B. Walker)
- ☑ Dec 2-5: WTS Waste Receipt audit (B. Walker)
- ☑ Dec 10-13: CEMRC audit (B. Walker)
- ☑ Dec 12: LANL unloading surveillance, WIPP site (B. Walker)
- ☑ Dec 16: LANL CBFO audit (B. Walker)
- ☑ Dec 16-17: Surveillance S-03-07 of transporting high wattage waste, Los Alamos, NM (S. Webb)
- ☑ Jan 7-9, '03: EPA audit of CBFO (B. Walker)
- ☑ Jan 13-17, '03: WTS audit (B. Walker)

Activities

- ✓ Attended Auditor/Lead Auditor Course, Carlsbad, S. Webb, 10/15-18/02,
- ☑ Analyzed samples for removable surface contamination at the site of the 8/25/02 TRUPACT truck accident. Isotopic analysis reveal no activity above MDA



What's New at www.eeg.org

☑ Read/Download EEG's Newest Report:

EEG-84: EEG Operational Radiation
Surveillance of the WIPP Project
during 2001
by
Donald H Gray, Sally C Ballard
and James K Channell

December 2002

☑ 13 Additional EEG Reports available:

EEG-9, EEG-13, EEG-17, EEG-18, EEG-21, EEG-25, EEG-27, EEG-31, EEG-32, EEG-34, EEG-35, EEG-36, EEG-39

✓ New Search Feature Added:

Search EEG Reports by Author

Status of EEG Requests

<u>Date</u>	Letter From	Letter To	<u>Subject</u>	<u>Status</u>
8/16/02	M.Silva / G.Anastas	I.Triay	Regarding ORPS Report AOL-WWID-WIPP-2002- 0001, Radiological Issues	Waiting on response from DOE
9/5/02	M.Silva / J.Channell T.Klein	I.Triay	Request documentation on TRUPACT II #157 internal contamination at WIPP 8/25/02; also documentation of INEEL investigation	Waiting on DOE Response; also see 11- 27-02 follow-up letter
9/11/02	D. Gray	C.Zvonar	Request for information on volume on brine removed from exhaust shaft sump since 1/1/02	Waiting on response from DOE
11/27/02	M.Silva / B.Walker	I.Triay	EEG samples/surveys of accident 8/25/02 detected no activity above background levels; requested schedule for response to EEG 9/5/02 request for data	Waiting on response from DOE

EEG Presentations/Publications

☑ Oct 29: NRC/NAS WIPP Committee,Carlsbad, NM (M. Silva)

"Establishing and Operating a Nuclear Waste Repository - The Role of EEG's Independent Technical Oversight."

☑ Oct 29: NRC/NAS WIPP Committee, Carlsbad, NM (J. Channell)

"EEG Views on WIPP Characterization and Transportation Requirements."

☑ Dec 13: Town Hall Meeting, Carlsbad, NM (M. Silva)

Presentation to Congressman Elect Steve Pearce.

Meetings

- ☑ Oct 28-29: NAS WIPP Committee meeting, Carlsbad, NM (M. Silva, J. Channell)
- ☑ Oct 31: Status of Spallings Model development meeting, EPA, Dallas, TX (M. Silva)
- ✓ Nov 12: PMR Panel Closure Public Meeting, Carlsbad, NM (B. Walker)
- ✓ Nov 14: PMR Panel Closure Public Meeting, Santa Fe, NM (L. Allen)
- ✓ Nov 15: PMR Panel Closure Public Meeting, Santa Fe, NM (M. Silva, L. Allen)
- ✓ Nov 19-20: EPA/DOE recertification meetings,Carlsbad, NM (M. Silva, L. Allen)
- ✓ Nov 20: NRC/DOE meeting on TRUPACT III, Washington, DC (J. Channell)
- ✓ Nov 26: Meeting with Representative Elect Steve Pearce, EEG office, Carlsbad, NM (M. Silva)
- ☑ Dec 18-19: EPA/CBFO meeting shallow hydrology, disturbed rock zone and Culebra hydrology issues, Albuquerque, NM (L. Allen)

Anticipated Activities

- **☑** Forthcoming EEG Reports:
 - > RH TRU Waste
 - Transportation Issues
 - Exhaust Air Sampling Issues at WIPP
- ☑ Presentation of Comments to Questionnaire to NAS WIPP Committee, January 28, 2003, Santa Fe, NM
- **☑** 36th Mid Year Meeting of the Health Physics Society scheduled for January 27-29, 2003, San Antonio, TX

Papers to be presented:

"International Implications of Health Physics Society Initiatives," G Anastas, M Gresalfi

"SI Units and Homeland Security," G. Anastas

"Homeland Defense Equipment Reuse Program," G. Anastas, K. Thomas

Anticipated Activities (continued)

✓ Waste Management '03 scheduled for February 24-26,2003, Tucson, AZ

Papers to be presented:

"The Second Opening of the Waste Isolation Pilot Plant? Review of Salient Characteristics and Unique Operational Considerations for Remote Handled Transuranic Waste," G. Anastas, B. Walker

"WIPP Recertification: An Environmental Evaluation Group Perspective," M. Silva, L. Allen

 ☑ Society of Mining Engineers Annual Meeting, February 24-26, 2003, Cincinnati, OH

Papers to be presented:

"Analysis of Observed Deviations from the Steady-State Model of the Culebra Aquifer, WIPP," L. Allen, M. Silva

"Evaluation of Proposed Panel Closure Modifications at the Waste Isolation Pilot Plant," L. Allen, et al

☑ Materials Research Society 2003: Scientific Basis for Waste Management, Kalmar, Sweden, June 15-18, '03. M. Silva chairing session: Public Involvement in the Decision Making Process. Technical review of abstracts and presentation to SKB, February 14-17, 2003

NM WIPP SAFE TRANSPORTATION PROGRAM



State of New Mexico

Radioactive Waste Consultation Task Force Update

81st WIPP Quarterly Meeting January 16, 2003

Anne deLain W. Clark NM Energy, Minerals and Natural Resources Department Santa Fe, New Mexico 87505 (505) 476-3224

Task Force Activities

- · Assisting WGA in drafting framework document for TAG
- · Held 2 WIPP Working Group meetings
- · October 28-30, co-chaired WGA TAG meeting in San Diego
- October & November, presented WIPP Transportation Safety Program update
 to County Commissioners in: Colfax, San Miguel, & Mora counties. Public
 comment on DOE's request to change POE inspection protocol strongly
 against change.
- Attended Rocky Mtn Low Level Waste Board Santa Fe meeting & Los Alamos Pit Production Plant hearing
- Responded to WGA Evaluation Survey for the WIPP Transportation Safety Program
 - Members of the Radioactive Waste Consultation Task Force:
 - · Joanna Prukop, EMNRD Chair
 - · John Denko, DPS
 - · Ron Curry, NMED
 - Patricia Montoya DOH
 - · Rhonda Faught SH&TD
 - · George Chavez State Fire Marshal
 - · Possibly: RL Stockard Homeland Security

Dept of Public Safety Activities

- Provided 2 MERRT courses: Los Alamos & Laguna Pueblo.
- Provided 3 Hazmat Awareness courses: NM SH&TD personnel in Grants, NM Law Enforcement Academy students, Grants.
- Updated WIPP Transportation Safety Program Public Information Pamphlets (available soon).
- Attended meeting of NM Municipal Fire Chief's Assoc to discuss statewide standardization of hazmat equipment.
- Provided WIPP presentation to Navajo Nation Emergency Management Conference in Farmington.
- Revised State of New Mexico notification procedures.
- Conducted 2 equipment inventory and training assessments: Carlsbad Fire Dept & Roswell Fire Dept
- Participated in peer exchange, hosted by City of Carlsbad and Eddy County, for officials from Nevada and California, representing communities bordering Yucca Mountain. Gave presentation on emergency response issues relating to WIPP.

DPS Activities (cont.)

- Sent eighteen Ludlum 14C Survey meters for calibration.
- WIPPTRAX 2003-1 scheduled for May 16, 2003, in McKinley County. Tabletop and Functional exercises will be held prior to that date. WIPPTRAX 2003-1 will be a joint exercise involving New Mexico, the State of Arizona, and the Navajo Nation. Participating agencies include: Gallup Fire Department, New Mexico State Police District 6, McKinley County Sheriff's Office, McKinley County EOC, Gallup Medical Center, Rehoboth McKinley Christian Health Care Services, McKinley County Metro Dispatch, & PNM Gas Company. Agencies from State of Arizona and Navajo Nation also expressing interest in participating.
- Several public outreach meetings are being planned along the I-40 corridor for the next quarter, in anticipation of the eventual opening of that route.

DPS Activities Continued

- Computer Security training scheduled during this month for all personnel monitoring WIPP Shipments for the State Police.
- Captain Ontiveros has been promoted to the rank of Major and is now assuming command over the East Zone of the State Police Districts.
- Captain Wilford "Chuck" Wilson taking over as new Haz Mat/WIPP Coordinator for State Police. Captain Wilson was District Commander, District 2, Las Vegas.

DPS MTD Activities

CVSA Level VI En-route inspections (radiological & mechanical) conducted at Raton Port of Entry and Loving Inspection site on all WIPP shipments entering state.

INEEL - 51 HNFD - 1 RFETS - 92 SRS - 27

11 violations of Federal Motor Carrier Safety Regulations on 10 WIPP shipments. No vehicles were placed Out-of-Service.

- 4 CVSA Level VI pre-trip inspections (radiological & mechanical) conducted at LANL 1 shipment had a defect/violation requiring vehicle be repaired before shipments allowed to proceed
- 1 WIPP shipment had mechanical breakdown (turbocharger failure) while en-route from RFETS to WIPP site. Breakdown occurred on Interstate 25 at mile marker 306. MTD HM/WIPP coordinator responded to scene and completed inspection at 4:05 am after truck replaced with operable unit. Failed vehicle was on side of road for 7.75 hours.

Department of Health Activities

- 3 meetings on Hazardous Materials Response/Preparedness: Memorial MedicalCenter Emergency Department staff and Emergency Department Staff at newly opened Mountain View Medical Center – Las Cruces, Deming Hospital staff
- Conducted 3 Hospital Response to Hazardous Materials courses: NE Regional Medical Center – Las Vegas, 2 in Gallup (drs & nurses atteded),
- Conducted EMS Operations for Hazardous Materials Course: Ojo Caliente Volunteer Fire Dept
- Met with State EMS Medical Director on distribution of DTPA to Western I-40 WIPP Route Corridor, West of ABQ to Arizona State line.
- Developed "Jeopardy Haz Mat Game" for Courses (3 games developed including questions and answers on WIPP and Radiation).
- Dec 23rd Ralph Davis began new role at IPEMS Bureau (leaving State Fire Marshal's Office) as Tim Yakey's direct supervisor.
- Hospital Response to Hazardous Materials courses scheduled around state during January – June time frame. Among hospitals to be trained: Gallup, Raton, Albuquerque Regional, and Santa Fe's St. Vincent. Course will also be offered as pre conference workshop at Region III Conference in Ruidoso in April.
- Ludium Geiger Counter Inventory scheduled for March April, 2003
- DTPA Inventory scheduled to be completed by June 30, 2003.
- All Hazards Emergency Plan/WIPP Emergency Response Plan scheduled to be updated by March 31, 2003.

NM Environment Dept Activities

- Recent purchase of SAM 935 MCA capable instrument and associated training enhanced emergency response capability of Radiation Control Purchase
- Conducted Ludlum instrumentation training at DOH EMS Operation Course held in Gallup.
- Conducted training for City of Santa Fire and Rescue teams on operation, surveying, and monitoring of personnel using Ludlum 14C-44-9 instrument provided to organization. Course presented in round robin format with 5 different study areas emphasized:
 - · General applications of setting up instrument for surveying & monitoring
 - Basic characteristics of alpha, beta, and gamma radiations (geared to responders)
 - · Labeling and placarding of Class 7 materials
 - Shipping papers and use of ERG
 - Random monitoring & detections of radioactive materials found in various household items

NM Environment Dept Activities cont.

- December 17, 2002: Radiation Control Bureau (RCB) received call from Las Vegas Solid Waste Transfer Facility advising State that 1 transporter triggered an alarm at Wagon Mound Regional Facility.
- Common occurrence: Management of Las Vegas facility recently changed and knowledge of past episodes was gone.
- Before RCB received call, State Police Emergency Response Officer contacted.
- RCB staff responded and requested DOE RAP team assistance.
- Transport vehicle surveyed and trash contaminated with I-131 (T1/2 8 days) confirmed.
- Vehicle's entire contents "off-loaded" and contaminated items were isolated, confined, and stored for radioactive decay for a period of 80 days.
- Simultaneously, another transporter waiting for shipping to Wagon Mound facility found to contain radioactive materials. Identified isotope was Tc-99 (T1/2 6hours). Operators alerted not to ship garbage load to Wagon Mound facility for approximately 60 hours.

State Fire Marshal Activities

- Michael M Gonzales hired as WIPP Coordinator to work with approved cities and counties to insure proper use of WIPP JPA funding
- The following local governing bodies were funded through JPAs:

			tre remede un cubir britis.
•	City of Artesia	\$7,000	support regional response haz/mat team
•	City of Albuquerque	\$7,000	support regional response haz/mat tean
•	City of Carlsbad	\$7,000	support regional response haz/mat team
•	City of Gallup	\$7,000	support regional response haz/mat tean
•	City of Hobbs	\$7,000	support regional response haz/mat tean
•	City of Raton	\$7,000	support regional response haz/mat team
•	City of Roswell	\$7,000	support regional response haz/mat tean
•	City of Santa Fe	\$7,000	support regional response haz/mat team
•	Chavez County	\$11,000	support first responder training
•	Cibola County	\$10,000	support first responder training
•	Colfax County	\$7,000	support first responder training
	Eddy County	\$5,000	support first responder training
٠	McKinley County	\$15,000	support first responder training
٠	San Miguel County	\$7,000	support first responder training
•	Santa Fe County	\$15,000	support first responder training
•	Torrence County	\$7,000	support first responder training
٠	Total Funding	\$133,000	

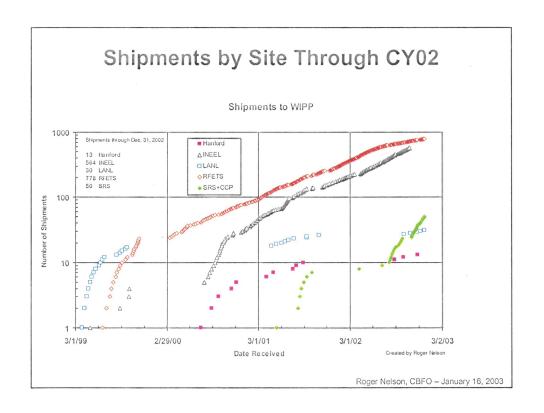
WIPP Status - January 2003

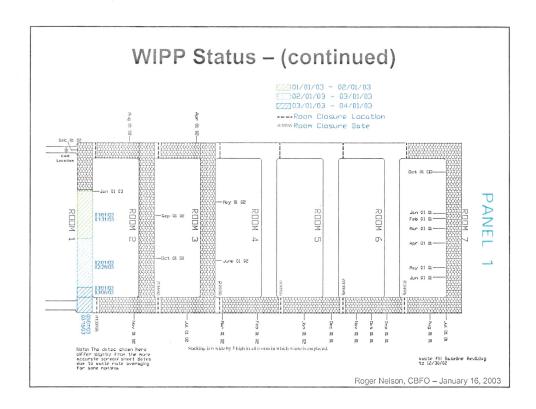
	Volume (m3)	Containers	TRUPACTS	Shipments
Hanford	107	509	37	13
INEEL	3258	14561	1222	564
LANL	312	315	87	30
RFETS	5175	20046	1690	778
SRS+CCP	441	2100	150	50
Total	9293	37531	3186	1435

- •ETEC SQS is "done"
- •More BCL shipments to Hanford (2/3 and 2/18 = 2 shipments each)
- ·Total miles* to date: 2,022,796
- •PMP & NTWMP to be combined (~March '02)
- •PCB approval by EPA Region 6 pubic comment ends 1/24/02 (+30-day w/o hearing)
- •Panel 1 to be full by ~3/15/03

*Mileage only includes loaded shipments from the generator sites and empty shipments to the generator sites

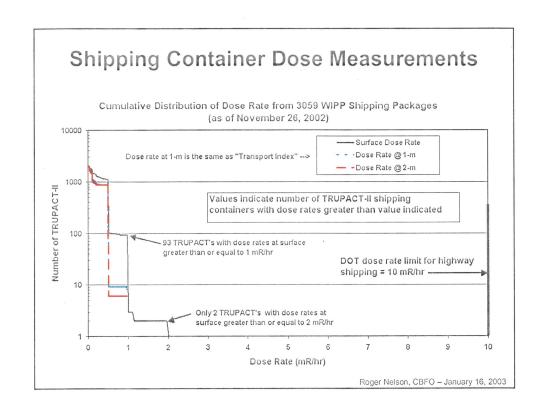
Roger Nelson, CBFO – January 16, 2003

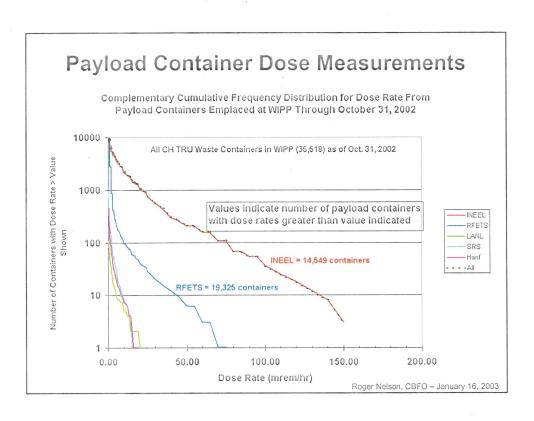




Permit Modification Status

- •DAC permit approved 12/31/02 NMED issuance off revised permit TBD, and 30-day implementation period per 20.4.901NMAC 1/30/03.
- •CCF PMR withdrawn 1/14/02 DOE to charter an independent cost analysis to evaluate the savings possible in light of the PMP and the HUB site concept.
- •Data Management PMR (class 3) under review by NMED.
- •RH WAP and Facility Mods (class 3) awaiting NOD from NMED.
- •Panel Closure (class 3) public comment closed 12/16/02 class 1* change to install fire protection wall but delay panel closure installation (5-year limit) approved.
- •6 Class 2 PMR's approved in November (TDOP, Half-Pact, RTR for Newly Generated Waste, Characterizing Repackaged Homogeneous Solids as Retrievably Stored Waste, Classified Information, and a new Waste Code).





Status of TRUPACT-157

Currently in permitted storage area at INEEL RWMC

Original intent to open and overpack drums at TAN was reconsidered by both INEEL and IDEQ in December

Current plan:

- RWMC to ship to turn-around facility at TAN about Jan. 27
- •Unload A rack at TAN (sleeve drums as they are removed from assembla 11 11 turn sleeves as they are loaded in 6 SWB's
- Transport Hip r2 days later (2nd turn-around)
- •Load 6 SWB's into 3 The new manifest
- ·Ship original waste to WIPP about
- •Evaluate possibility of decontaminating (V and return OCA to WIPP

Roger Nelson, CBFO - January 16, 2003

Next NAS WIPP Committee Meeting

- •January 27-28, 2002 Optimizing Characterization and Transportation of Transuranic Waste Destined for WIPP (www.nas.edu/brwm/BRWM_Current_Projects.html)
- Sante Fe Courtyard by Marriott, 3347 Cerrillos Road
- •CBFO presentations requested by NAS Committee:
 - •"Non-Destructive Assay background, methods, issues and potential improvements"
 - •"Non-Destructive Examination background, methods, issues and potential improvements"
 - •"Data Management Under Provisions of EPA and NMED Requirements"
 - •"What's in WIPP? Tracking the Trash Summary of waste characteristics emplaced through 2002"
 - ·"Costs of Characterization A New CABE Analysis"

RH Application to EPA

- •Notice of Planned Change for RH TRU Waste Characterization submitted to EPA on December 17, 2002.
- •Additional funding provided to EPA to ensure adequate resources are available to review and process the RH rule making before the compliance re-certification application is evaluated.
- •CBFO is proceeding with Operational Readiness plans and procedure development on the basis of approval from both NMED and EPA in mid-2004.

Roger Nelson, CBFO - January 16, 2003

Hanford Tank Waste - RH to WIPP?

- •???????????????
- •WIPP has not not participated in any discussions of a plan to assess tank waste at Hanford under the DOE Order 435 process (waste incidental to reprocessing).
- •If WIR is determined (and approved by NRC), that material could become defense-related TRU waste.
- •Tank waste would require treatment and packaging to meet WIPP WAP and WAC (in whatever form they will be at that time).

Table 1 from Supplement C of EPA Change Notice (Hanford): Stored = 207.2 Projected=943.7 Planned=1,150.9 TBD=1,048.0

Quick to WIPP Shipments

~2000 drums authorized by Rev. 19a to the TRUPACT-II SARP

1st shipment from LANL to WIPP December 19/20 – (8:00pm – 2:00am = 8 hours vs. 120hours (5-day) allowed by 19a).

AB at TA-50 currently only allows 1 TRUPACT-II to be loaded with the high wattage waste that forms the "quick-to-wipp" inventory. Change being prepared by/at LANL.

Next shipment scheduled in February – As AB is modified and multiple TRUPACT's can be simultaneously processed, shipments under 19a will increase – detailed plans should be solicited from LANL.

Roger Nelson, CBFO - January 16, 2003

Status of Rail Shipping to WIPP

Developed RFP for solicitation of carriers to transport from HAN, SRS, INEEL and ORNL to WIPP using any combination of Type B packages.

Interactions with WGA on development of protocols for emergency response, reporting, tracking, inspection, routing, etc. – WGA developed draft "Rail PIG" language.

Potential to issue RFI vs. RFP in the coming months.

Continuing Resolution and the Top-to-Bottom Review have introduced uncertainty in how WIPP rail will proceed.

New HQ initiative to develop protocols for YMP and other programs (including WIPP) will involve WGA, SSEB, Midwest CSG, Northeast CSG, Western Interstate Energy Board, the Navy, OCRWM, and WIPP).

WIPP worker dose summary by quarter

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All quarterly doses shown in rem

